MODE OF TIME-AND-FREQUENCY SYNCHRONIZATION OF THE LIASON SYSTEM AND ARRANGEMENT FOR ITS EXECUTION

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Abstract of **RU2304359**

FIELD: the inventions refer to the field of radio technique particularly to the mode and the arrangement of time-and-frequency synchronization of the liaison system. ^ SUBSTANCE: the evaluation of the temporary provision of the signal is executed in two stages. On the first stage a decisive function with a wide useful response is formed and that increases possibility of regular detection of the signal. On the second stage a decisive function with a narrow useful response is formed and that allows receive an exact evaluation of the temporary provision of the signal. The evaluation of the frequency shift is also formed in two stages. At that the quality of this evaluation is high because it is based on qualitative evaluation of the temporary provision of the signal. The other distinctive peculiarity of the invention is possibility of synchronization at relatively significant initial values of the frequency shift and that is unattainable to many known modes and arrangements of time-and-frequency synchronization. ^ EFFECT: increases noise immunity of time-and -frequency synchronization of the liaison system. ^ 9 cl, 8 dwg